

News Release

Scholarships offered by United Way of Crookston for Robotics Camps at U of M, Crookston; Camp offered Mon. - Wed., July 19-20, 2010

By Itollefs on Wednesday, June 2, 2010

NOTICE: Session 1 of robotics camp scheduled for Mon.-Wed., June 14-16 has been CANCELED.

Two Robotics Camps at the University of Minnesota, Crookston will teach students the skills needed to build and program robots to do tasks such as walk, pick up an object, and sense objects while navigating a maze. Two sessions of the robotics camp, intended for students in grades sixth, seventh, and eighth, are scheduled for Monday through Wednesday, June 14-16 (June 14-16 session CANCELED) and repeated on July 19-20, 2010.

To help students attend the camp, which costs \$225 per student, the United Way of Crookston is offering five full scholarships for each camp session for students with financial need who live within 25 miles of Crookston. To be considered for a scholarship, students should fill out the form available at www.umcrookston.edu/camps or contact the Math, Science, and Technology Department at 218-281-8380 or Cynthia at 218-289-1278 (weber434@umn.edu). Students have the option to purchase the robot kit at the end of the camp for \$250.

The schedule for the camp, specifically designed to challenge students to think critically and work in teams to problem solve, includes:

Day 1, Introduction to Robotics: Camp will begin with an introduction to robotics and demonstrations of some tasks the Lego MINDStorm can perform. The afternoon will be spent designing, building, and programming robots to do basic tasks such as walking or crawling.

Day 2, Advanced Motion: Day two begins with a brief recap of day one activities and demonstrations by the instructors. Students will program their robots to do multiple tasks; such as walking around a room and calculating the perimeter or navigating a maze. Students will continue experimenting with building various robotic designs and programming more tasks.

Day 3, Communication and Competition: Students will learn to program their robots to recognize each other and communicate through Bluetooth. In the afternoon, students will compete using the skills they have learned over the three days of camp.

If you would like more information on these or other camps available this summer on the Crookston campus, visit: www.umcrookston.edu/camps.

Today the University of Minnesota, Crookston delivers more than 25 bachelor's degree programs and 50 concentrations, including several online degrees, in agriculture and natural resources; arts, humanities and social sciences; business; and math, science and technology. With an enrollment of about 1,300 undergraduates, the Crookston campus offers a supportive, close-knit atmosphere that leads to a prestigious University of Minnesota degree. "Small Campus. Big Degree." To learn more, visit www.umcrookston.edu.

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